

PERMIT ISSUED

City of Portland, Maine - Building or Use Permit Application
389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 02-274 Issue Date: JAN 8 2003 CBL: 08 F A063001

Location of Construction: 36 East Side Dr <i>Grt & Isl</i>		Owner Name: Sampino Santo R &	Owner Address: 64 Hillside <i>CITY OF PORTLAND</i>		Phone: 266-0593
Business Name:		Contractor Name: R.A Krouse Timberframes	Contractor Address: Titcomb Lane Arundel		Phone: 2079672747
Lessor/Buyer's Name:		Plat:	Permit Type: Single Family		Zone: <i>IR-1</i>
Past Use: Vacant Land		Proposed Use: Single Family		Permit Fee: \$3,248.00	Cost of Work: \$450,000.00
Proposed Project Description: Construct New 64'x14' Single Family w/122lin ft Deck		FIRE DEPT: <i>NA</i>		INSPECTION: Use Group: <i>CB</i> Type: <i>SB</i> <i>BOOK 99</i>	
		Signature:		Signature:	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)			
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied			
		Signature: _____ Date: _____			

Permit Taken By: gad	Date Applied For: 11/12/2002	Zoning Approval		
<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work. 	Special Zone or Review <input checked="" type="checkbox"/> <i>Special Zone with 250' setback with over 75' to HWM</i> <input type="checkbox"/> Wetland <input checked="" type="checkbox"/> <i>Flood Zone Panel 9 Zone C</i> <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> <i>Site Plan at 2002-0242</i> Maj <input type="checkbox"/> Minor <input type="checkbox"/> MME	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied	Historic Preservation <input checked="" type="checkbox"/> <i>Not in District or Landmark</i> <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied	Date: <i>1/11/03</i>
	Signature: <i>[Signature]</i> Date: _____			

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK TITLE		DATE	PHONE

3/14/03 Footing Setback inspection. Building envelope clearly marked
instructed not to use HAY. OK. to proceed. Will call when
Ready for BACKFILL JR

4/14/03 BACKFILL inspection. On site w/ R. KRAUSSE. Tile in, sand
on site, Filter FABRIC in place. OK. to BACKFILL. JR

8/10/06

① THE SITE WORK WAS STOPPED DUE TO NON-CONFORMITY W/ SITE PLAN.

② THE PORCH POSTS WERE NOT CABLED TO THE TOP PLATE AS PORTRAYED BY THE BUILDER. HE WAS TOLD TO CORRECT THIS & GET A REINSPECTION



DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read
Application And
Notes, if Any,
Attached

CONSTRUCTION

PERMIT

Permit Number: 021274

This is to certify that Sampino Sarno R &/R.A. Krohn Timber
has permission to Construct New 64'x14' Single Family w/ 100 sq. ft. deck
AT 36 East Side Dr - GATOISR 083F A063001

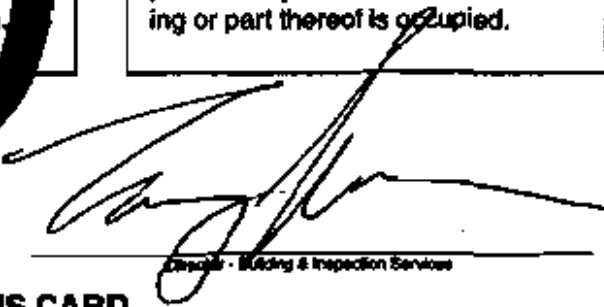
provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of the State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permit is procured before this building or part thereof is started or occupied. **48 HOUR NOTICE IS REQUIRED.**

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER DEPARTMENTS:
Fire Dept. _____
Health Dept. _____
Appeal Board _____
Other _____
City of Portland
PERMIT ISSUED
JAN 8 2003
CITY OF PORTLAND


Director - Building & Inspection Services

LIABILITY FOR REMOVING THIS CARD

02-1274

All Purpose Building Permit Application

If you or the property owner owns real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>36 East Side Drive, Great Diamond</u>		
Total Square Footage of Proposed Structure <u>3870 sq. Ft.</u>	Square Footage of Lot <u>62,100</u>	
Tax Assessor's Chart, Block & Lot Chart: <u>83F</u> Block: <u>A</u> Lot#: <u>63</u>	Owner: <u>LISA & Santo Campino</u>	Telephone: <u>203-266-0593</u>
Lessee/Buyer's Name (if Applicable)	Applicant name, address & telephone: <u>Richard A. Krause 46 Titcomb Ln Arundel ME 04096</u>	Cost Of Work: \$ <u>150,000</u> Fee: <u>(3,146)</u> ²⁰⁰² _{12/5/02}
Current use: <u>WOODED LAND</u>	CUFO <u>75-</u> min/Minor <u>300-</u>	
If the location is currently vacant, what was prior use:		
Approximately how long has it been vacant:		
Proposed use: <u>Cottage style Home</u>	<u>122 Lin Ft deck</u>	
Project description: <u>this permit is for shell only</u>		
Contractor's name, address & telephone: <u>Timber Frames by R.A. Krause 46 Titcomb Ln. Arundel ME 04096</u>		
Who should we contact when the permit is ready: <u>Richard Krause</u>		
Mailing address: <u>207-967-2747</u> <u>209-2246 cell of Richard</u>		
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: <u>967-2747</u>		

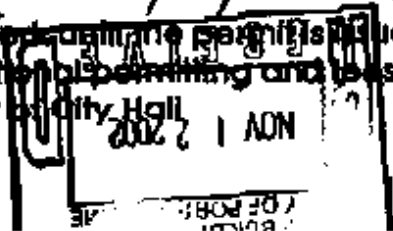
IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT. WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

sent to DEP 12/5/02

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorized the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <u>R.A. Krause</u>	Date: <u>11/11/02</u>
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This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4th floor of City Hall.

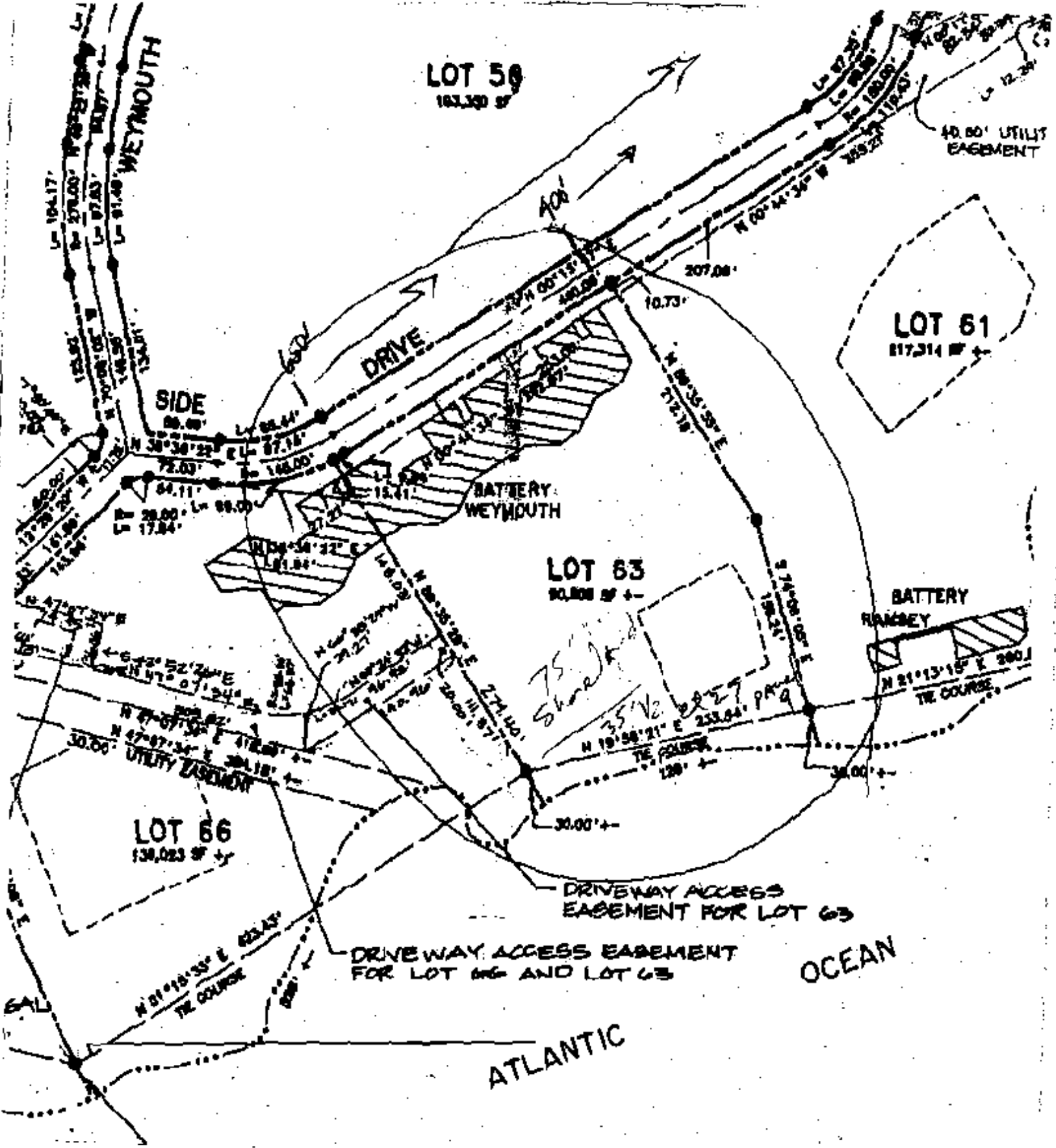


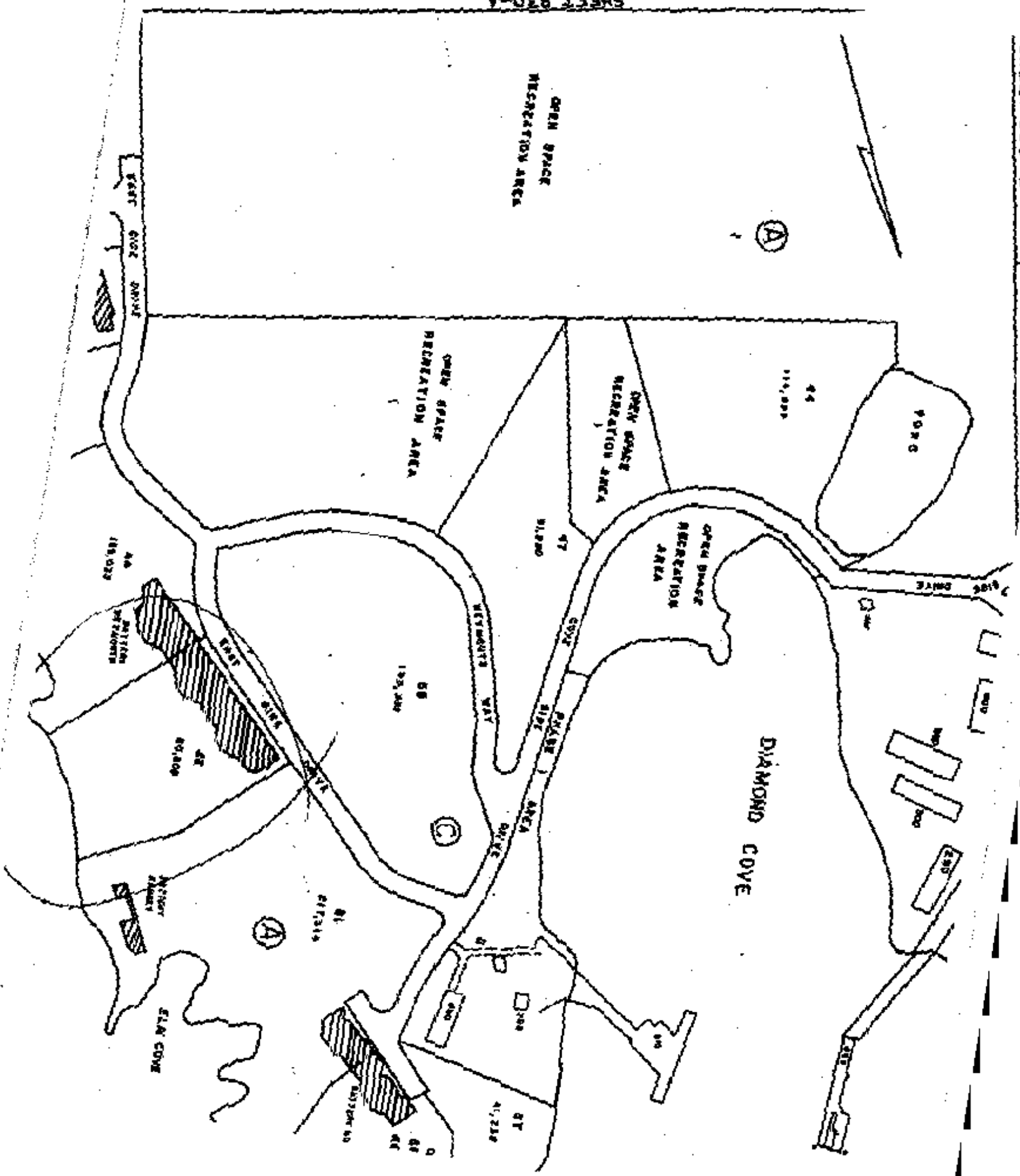
LOT 50
163,330 SF

LOT 61
817,314 SF

LOT 63
90,808 SF

LOT 66
138,023 SF





FOUNDATION PLAN

- 1. 1/2" = 1'-0" (Overall)
- 2. 1/4" = 1'-0" (Detail)
- 3. 1/8" = 1'-0" (Detail)
- 4. 1/16" = 1'-0" (Detail)
- 5. 1/32" = 1'-0" (Detail)
- 6. 1/64" = 1'-0" (Detail)

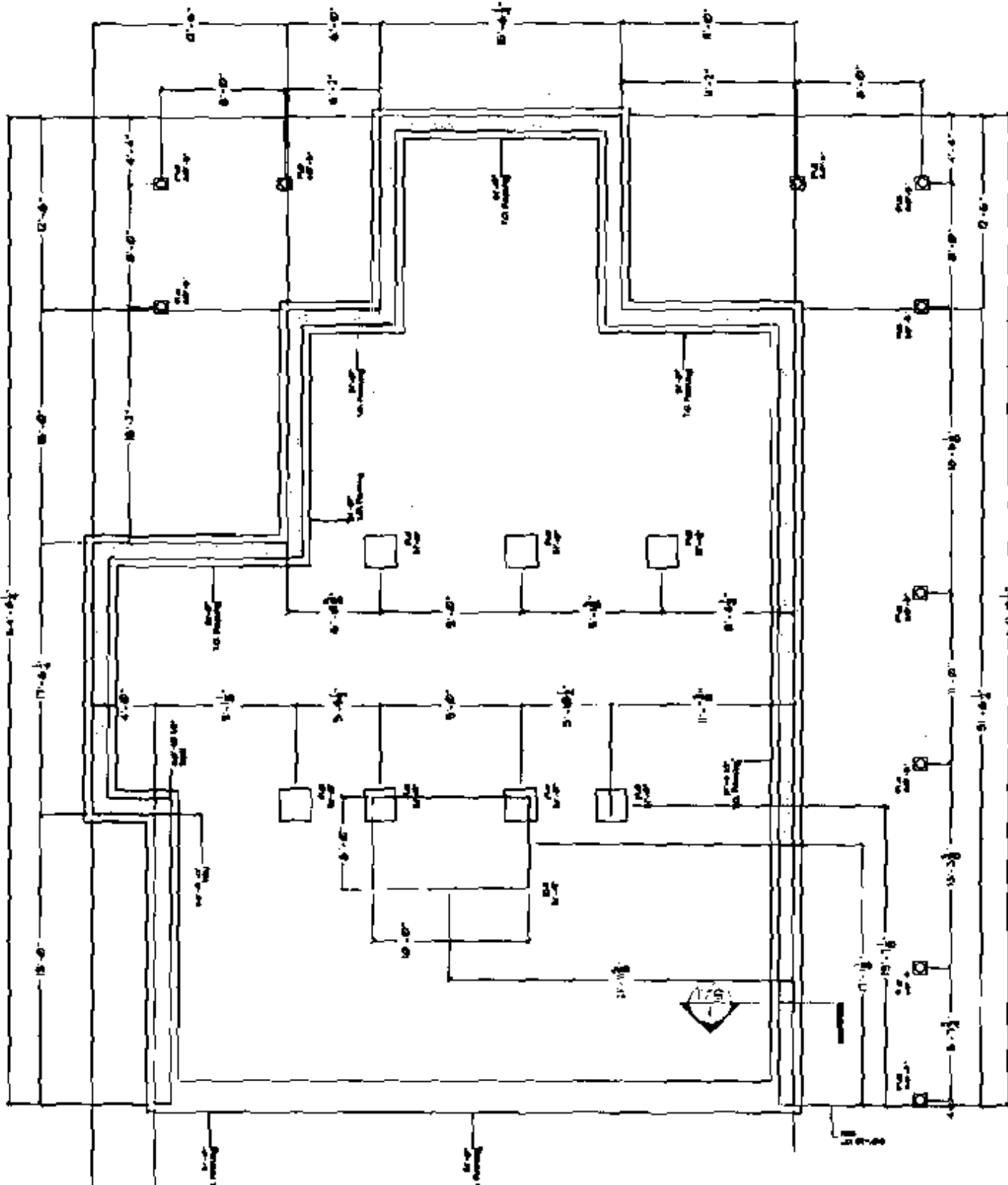
DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ORE.
JAN - 8 2008

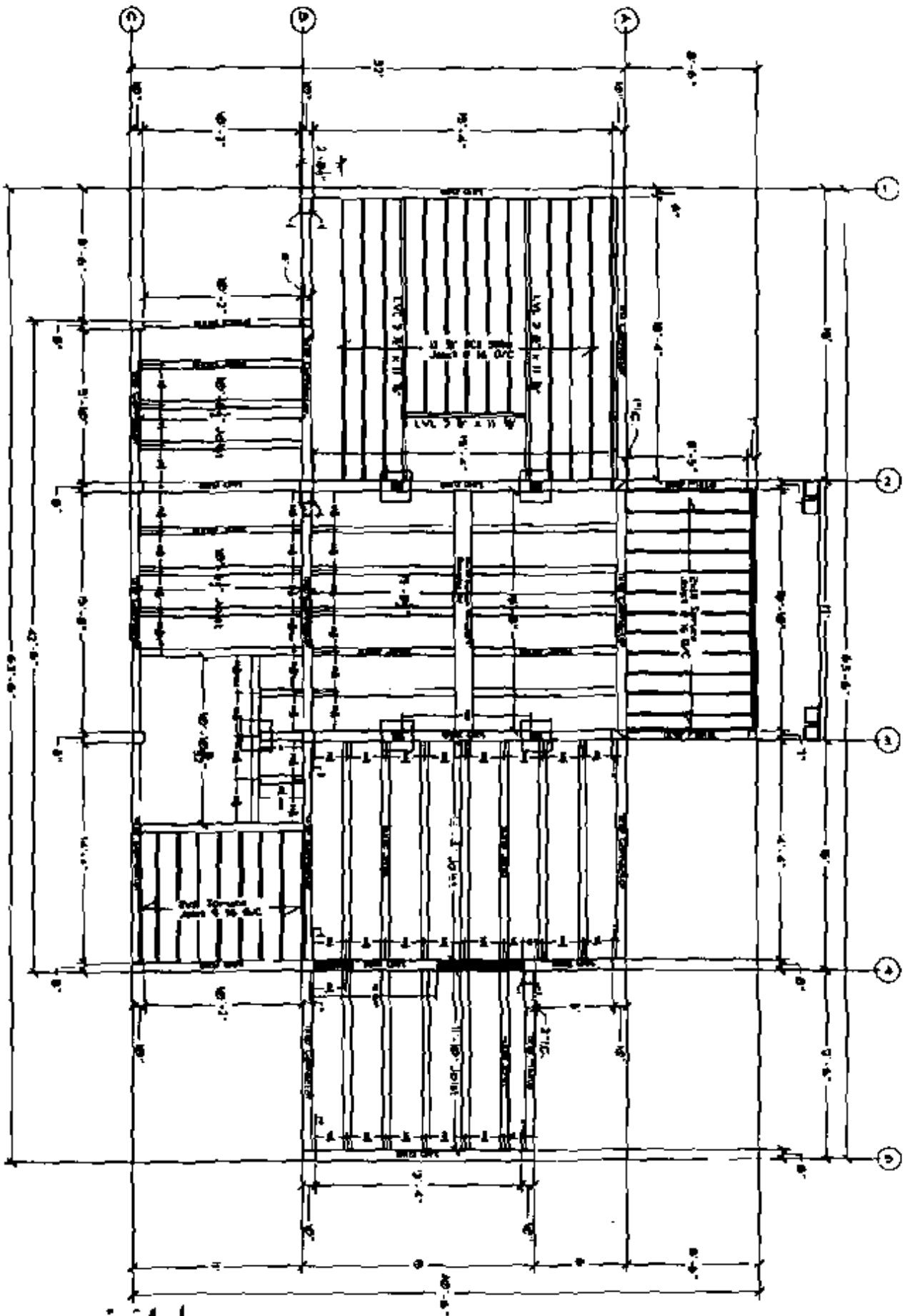
FOUNDATION PL
1-1-08

1. See Title Block for all Building Data.

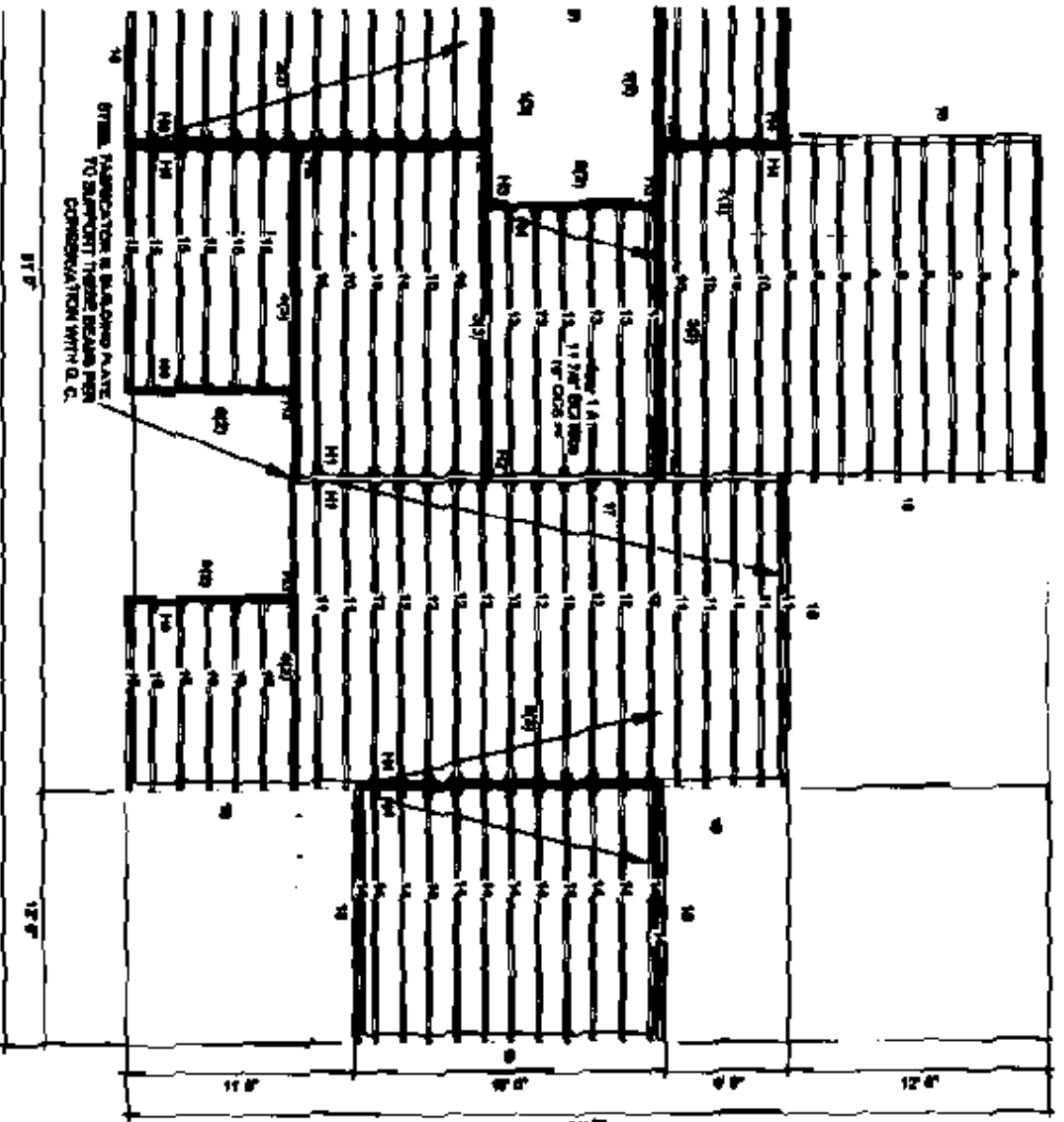
FOOTING SCHEDULE		
PLAN DESIGNATION	FOOTING SIZE	REMARKS
F10	2'-0" B.C. X 8"	
F11	6'-0" B.C. X 8"	

FEB. SCHEDULE	
PLAN DESIGNATION	FOOTING SIZE





Architectural drawing showing a floor plan with dimensions and grid lines. The drawing includes a staircase and several rooms. The grid lines are labeled A, B, C and 1, 2, 3, 4, 5. Dimensions are provided for various sections of the plan.



1st Floor
1 1/2" = 1'-0"

WOOD STRU
Lumber Division

WOOD STRU
Lumber Division

1/2" = 1'-0" (Please refer to other drawings for details of the structure and to verify with the owner and the architect before proceeding.)

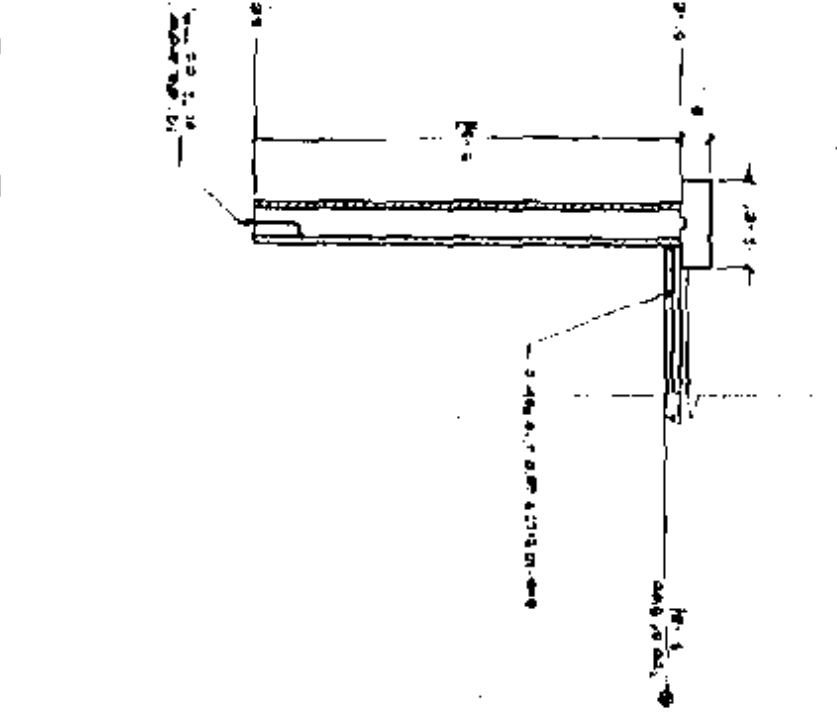
WOOD STRU
Lumber Division

Mark	Qty	Description	Length
1	2	2x4 x 11 7/8" V.L. 2800	20'-0"
2	5	1 3/4" x 11 7/8" V.L. 2800	16'-0"
3	6	1 3/4" x 11 7/8" V.L. 2800	17'-0"
4	5	1 3/4" x 11 7/8" V.L. 2800	16'-0"
5	3	1 3/4" x 11 7/8" V.L. 2800	15'-0"
6	4	1 3/4" x 11 7/8" V.L. 2800	8'-0"
7	3	1 3/4" x 11 7/8" V.L. 2800	7'-0"
8	17	1 1/2" x 11 7/8" V.L. 2800	20'-0"
9	11	1 1/2" x 11 7/8" V.L. 2800	16'-0"
10	10	1 1/2" x 11 7/8" V.L. 2800	17'-0"
11	7	1 1/2" x 11 7/8" V.L. 2800	15'-0"
12	11	1 1/2" x 11 7/8" V.L. 2800	16'-0"
13	5	1 1/2" x 11 7/8" V.L. 2800	14'-0"
14	13	1 1/2" x 11 7/8" V.L. 2800	13'-0"
15	12	1 1/2" x 11 7/8" V.L. 2800	12'-0"
16	5	1 1/2" x 11 7/8" V.L. 2800	10'-0"
17	1	STEEL BEAM BY OTHERS	24'-0"

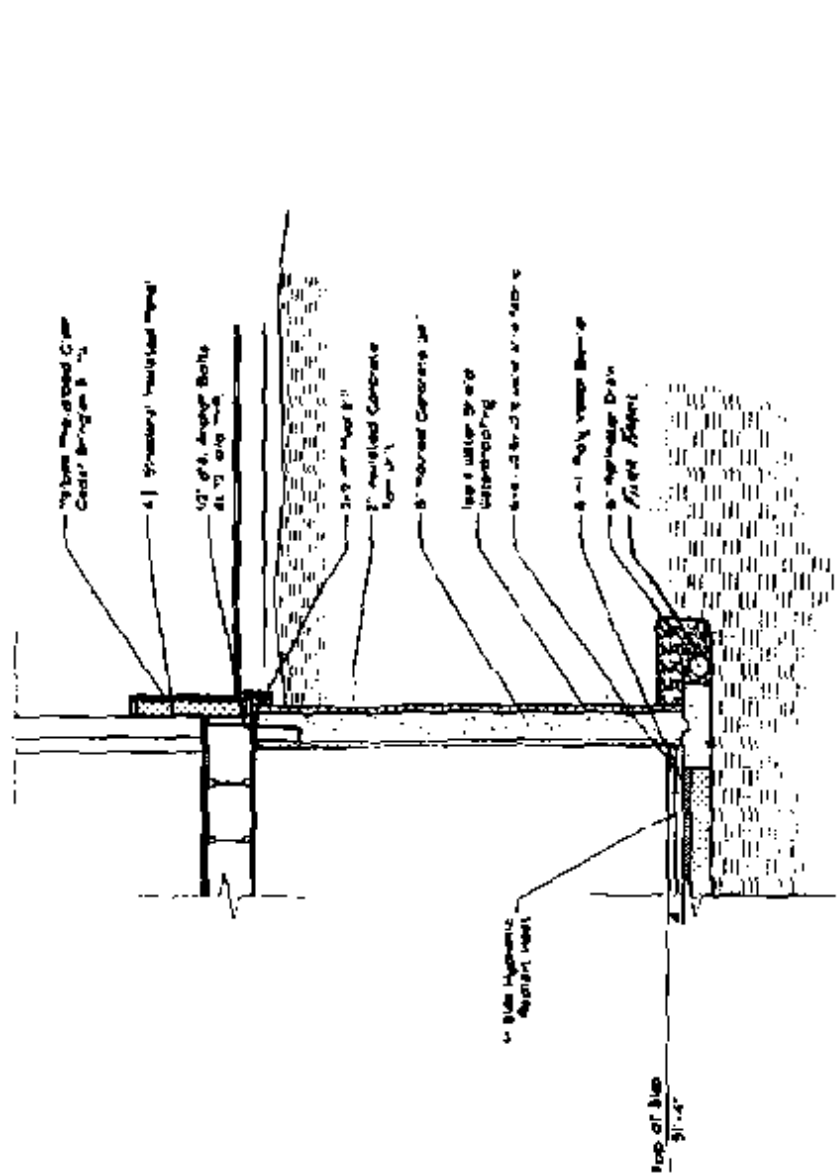
Mark	Qty	Description	Product	Dimensions
M1	21	Joist Along The Inc	WOOD STRU 60	1 1/2" x 11 7/8" V.L. 2800
M2	5	Joist Along The Inc	WOOD STRU 60	1 1/2" x 11 7/8" V.L. 2800
M3	5	Joist Along The Inc	WOOD STRU 60	1 1/2" x 11 7/8" V.L. 2800
M4	15	Joist Along The Inc	WOOD STRU 60	1 1/2" x 11 7/8" V.L. 2800

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME.
JAN - 8 2003

DEPT. OF BUILDING INSPECTION
 CITY OF PORTLAND, ME
 JAN - 8 2003



WALL SECTION 1
 1.1.6



WALL SECTION 1
 1.1.6

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read
Application And
Notes, if Any,
Attached

CONSTRUCTION

PERMIT

Permit Number: 021274

This is to certify that Sempino Santo R &/R.A Kro Timber
has permission to Construct New 64'x14' Single Family w/
at 36 East Side Dr - GARDNER 083P A063001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of the State and of the ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permit is procured before this building or part thereof is started or commenced-in. HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER AGENCIES CONCERNED:
Fire Dept. _____
Health Dept. _____
Appeal Board _____
Other _____
PERMIT ISSUED
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CITY OF PORTLAND


Director - Building & Inspection Services

LIABILITY FOR REMOVING THIS CARD

PERMIT ISSUED

City of Portland, Maine - Building or Use Permit Application
389 Congress Street, 04101 Tel: (207) 874-8703 Fax: (207) 874-8716

Permit No: 02-274 Issue Date: JAN 8 2003
CEI: 081F A063001

Location of Construction: 36 East Side Dr *City of Portland* Owner Name: Sauphan Sarto R & Owner Address: 64 Hillside *City of Portland* Phone: 666-0593

Business Name: Contractor Name: R.A. Krouse TimberFrames Contractor Address: Titcomb Lane Arundel Phone: 2079672147

License/Buyer's Name: Phone: Permit Type: Single Family Zone: IR-1

Past Use: Vacant Land Proposed Use: Single Family Permit Fee: \$3,248.00 Cost of Work: \$450,000.00 CEO District: 1

FIRE DEPT: *N/A* Approved Denied INSPECTION: Use Group: *R9* Type: *SB*
BOH 99

Proposed Project Description: Construct New 64'x14' Single Family w/122lin-ft Deck

PREDESTRIAN ACTIVITIES DISTRICT (P.A.D.)
Action: Approved Approved w/Conditions Denied
Signature: Date:

Permit Taken By: gad Date Applied For: 11/12/2002 Zoning Approval

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.

2. Building permits do not include plumbing, septic or electrical work.

3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.

Special Zone or Bylaws
 Shaded *within 250' with over 75' to HWY*
 Wetland
 Flood Zone *Panel 9 Zone C*
 Subdivision
 Site Plan #2002-0242
 Major Minor MM (1)

Zoning Appeal
 Variance
 Miscellaneous
 Conditional Use
 Interpretation
 Approved
 Denied

Historic Preservation
 Not in District or Landmark
 Does Not Require Review
 Request Review
 Approved
 Approved w/Conditions
 Denied

Signature: S 12/14/02 Date: *9*

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK TITLE DATE PHONE

02-1274

All Purpose Building Permit Application

If you or the property owner owns real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>36 East Side Drive, Great-Danmond</u>		
Total Square Footage of Proposed Structure <u>3870 sq. Ft.</u>	Square Footage of Lot <u>62,100</u>	
Tax Assessor's Chart, Block & Lot Chart# <u>23F</u> Block# <u>A</u> Lot# <u>63</u>	Owner: <u>LISA & Emilio Sampino</u>	Telephone: <u>203-266-0593</u>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>Richard A. Krause 46 Trowbridge Ln Arundel ME 04096</u>	Cost Of Work \$ <u>950,000</u> Fee: <u>(3,146) + 3.17%</u>
Current Use: <u>WOODED LAND</u> <u>COFO 75- MINOR 300-</u>		
If the location is currently vacant, what was prior use: _____		
Approximately how long has it been vacant: _____		
Proposed use: <u>Cottage style home</u> <u>122 Lin Ft deck</u>		
Project description: <u>This permit is for shell only</u>		
Contractor's name, address & telephone: <u>Taylor Features by R.A. Krause 46 Trowbridge Ln. Arundel ME 04096</u>		
Who should we contact when the permit is ready: <u>Richard Krause</u>		
Mailing address: <u>207-967-2747</u> <u>229-2246 cell of Richard</u>		
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: <u>967-2747</u>		

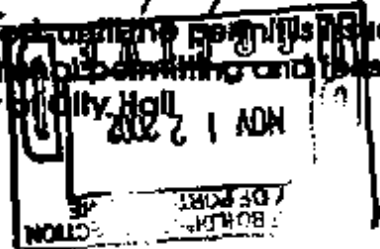
IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT. WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

sent to DEP 12/5/02

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make the application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Officer's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <u>R.A. Krause</u>	Date: <u>11/11/02</u>
--	-----------------------

This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4th floor of City Hall.



City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 02-3274	Date Applied For: 11/12/2002	CRI: 083F A063001
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Location of Construction: 36 East Side Dr. Gr Diamond	Owner Name: Sampino Sauto R &	Owner Address: 64 Hillside Rd Bxt	Phone: 203-266-0593
Business Name:	Contractor Name: R.A Krouse Timberframes	Contractor Address: Titcomb Lane Arundel	Phone: (207) 967-2147
Lessee/Buyer's Name:	Phone:	Permit Type: Single Family	

Proposed Use: Single Family	Proposed Project Description: Construct New 64'x14' Single Family w/22lin. Deck
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Dept: Zoning Status: Approved with Conditions Reviewer: Marge Schmuckel Approval Date: 12/12/2002
 Note: 36 W. Side Drive, Great Diamond Island Ok to Issue:

- At the time of framing, before any close-in approvals, you are responsible for calling the Code Enforcement Officer. You will need to confirm the building height, as provided from a professional in that field. Again, as discussed during our 12/12/02 meeting, 35' is the maximum building height, measured from ORIGINAL grades to half way up the roof from the ridge to where it meets the outside wall. One side of the building is scaling to be 34.5 feet high.
- At our 12/12/02 meeting I also gave you a handout on Shoreland Zoning that described your limitations as to clear cutting, and grading within the 250' of Shoreland Zone. You will be held accountable for these regulations.
- It is understood from our meeting on 12/12/02 that there will be no structure for cars or their maintenance. It is also understood that there will be no gazebo built.
- Separate permits shall be required for future decks, sheds, pools, gazebos, and/or garages.
- This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building Status: Approved with Conditions Reviewer: Tammy Munson Approval Date: 01/08/2003
 Note: Ok to Issue:

- Separate permits are required for any electrical or plumbing work.
- Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.

Comments:
 12/20/02-um: need more specs - faxed plan review sheets to R. Krouse - inadequate plans
 1/8/03-gm: Met w/builder on 01/07/2003 - will bring revised plans in on 01/08/2003 and beam calculations. Ok to issue once rec'd.
 1/15/02-gg: Owen \$27.00 for building permit, amount was calculated wrong when received. /gg

TAMM 6

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

Pre-construction Meeting: Must be scheduled with your inspection team upon receipt of this permit. Jay Reynolds, Development Review Coordinator at 874-8632 must also be contacted at this time, before any site work begins on any project other than single family additions or alterations.

Footings/Building Location Inspection: Prior to pouring concrete

Re-Bar Schedule Inspection: Prior to pouring concrete

Foundation Inspection: Prior to placing ANY backfill

Framing/Rough Plumbing/Electrical: Prior to any insulating or drywalling

Final/Certificate of Occupancy: Prior to any occupancy of the structure or use. NOTE: There is a \$75.00 fee per inspection at this point.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection

If any of the inspections do not occur, the project cannot go on to the next phase, **REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.**

CERTIFICATE OF OCCUPANCIES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED

X K.A. [Signature]
Signature of applicant/designee

11/8/05
Date

[Signature]
Signature of Inspections Official

11/8/05
Date

CBL: 003F-A-063 Building Permit #: 02-1274

City of Portland
INSPECTION SERVICES

Room 315
389 Congress Street
Portland, Maine 04101

Phone: (207) 874-8703 or 874-8693
Fax : (207) 874-8716

FAX TRANSMISSION COVER SHEET

Date: 12/20/02
To: R. Krouse
Fax: 967-0155
Re: G. Diamond
Sender: Tammy Munso

YOU SHOULD RECEIVE 4 PAGE(S), INCLUDING THIS COVER SHEET.

IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL 874-8693 or 874-8703.

Fax # 967-0155

Soil type/Presumptive Load Value (Table 401.4.1)		
STRUCTURAL Footng Dimensions/Depth (Table 403.1.1 & 403.1.1(1), Section 403.1.2)		
Foundation Drainage Dampproofing (Section 406)	Not Shown	OK
Ventilation (Section 409.1) Crawls Space ONLY	N/A	OK
Anchor/Bolts/Straps (Section 403.1.4)	Not Shown	OK
Lally Columns Type, Spacing and footing sizes (Table 502.3.4(2))	Shows 4 VL'S Need Specs.	OK
Built-Up Wood Center Girder Dimensions/Type (Table 502.3.4(2))	4 "	OK
Sill/Band Jolt Type & Dimensions First Floor Jolt Specs Dimensions and Spacing (Table 503.3.1(1) & Table 503.3.2(1))	OK Need to verify specs.	PFI Dist's
Second Floor Jolt Specs Dimensions and Spacing Table(503.3.1(1) & Table 503.3.2(1))	Not shown - need plan	OK

Attic or additional Floor Joist Species Dimensions and Spacing (Table 602.4.2 or 503.3.1(1) & Table 503.3.2(1))	Not shown	
Roof Rafter; Pitch, Span, Spacing & Dimension (Table 602.3.2(7))	wood load st spacing + type of wood	
Sheathing; Floor, Wall and roof (Table 503.2.1(1))	Not Spaced - incomplete	
Fastener Schedule (Table 602.3(1) & (2))	Not shown	
Private Garage Section 309 and Section 407 1999 BOCA Living Space? (Above or beside)	N/A	
Fire separation		
Fire rating of doors to living space Door Sill elevation (407.5 BOCA)	N/A	
Egress Windows (Section 310)	Not shown	In every bedroom
Roof Covering (Chapter 9)	" "	OK
Safety Glazing (Section 308)	" "	In master bath - 3 locations
Attic Access (BOCA 1211.1)	" N/A "	
Draft Stopping around chimney	" "	will have 2" air space

W/ fire stopping

Header Schedule	Not shown	Structural Beams
Type of Hoisting System	"	N/A - Shell only
Stairs Number of Stairways	6	
Interior	1	OK - Typ. - Detail given -
Exterior	5	Exterior 14" above only grade slip.
Treads and Risers (Section 314)		
Width	Not shown	
Headroom	"	
Guardrails and Handrails (Section 315)	"	
Smoke Detectors Location and type/Interconnected	Not shown	" Shell only permit - no wiring being done now
Plan Reviewer Signature		

See Chimney Summary Checklist

Revised permit - 12/5/02
Applicant: R. A. Krouse Timberline
Date: 12/11/02

Address: 36 E. Side Drive - Great Falls, VA
C.B.L.: 083F-A-063

CHECK-LIST AGAINST ZONING ORDINANCE

Date - New

Zone Location - IR-1

Interior or corner lot -

Proposed Use/Work - Construct New Single Family - Deck Around

Sanitary Disposal - private

Lot Street Frontage - 100' - 260' scaled

Front Yard - 30' req - 240' shown

Rear Yard - 30' req - 75-100' shown

Side Yard - 20' req - 35' & 110' shown

Projections - Deck Around - NO out Balconies & porches under these permit

Width of Lot - 100' min - 200' shown

Height - 35' from original grade - 34.5' to lowest grade

Lot Area - 60,000 sq ft min - 40,806 sq ft shown

Lot Coverage/Impervious Surface - 20% max - 18,161.2 sq ft

Area per Family - 6,000 sq ft

Off-street Parking - 2 parking spaces - 2 shown, car storage and 30' x 40' driveway

Loading Docks - NA

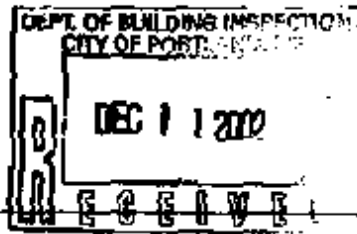
Site Plan - YMM/immor 2002-0242

Shoreland Zoning/Stream Protection - within 250' just beyond 75' from HWM

Flood Plains - Panel 9 - Zone C

6' x 15' = 120 sq ft
 15' x 32' = 480 sq ft
 17' x 44.5' = 756.5 sq ft
 19' x 40.5' = 769.5 sq ft
 6' x 51' = 408 sq ft
 12.5' x 11' = 137.5 sq ft
 4.5' x 27.5' = 123.75 sq ft
 4' x 19' = 76 sq ft
 1020.25
 + 2126.00
 3146.25

Shall not remove trees or shrubbery within the 75' shoreland zone setback
 & removal needed for the 12 x 14 Gazebo shown on site plan



Marge,

My name is Richard Kross and I'm trying to find out how long until my application can be approved. I just received the go ahead draw demand (over). Can you let me know.

Thank you

Richard Kross

O) 529-2246

W) 967-2747

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
DRC Copy**

2002-03-02

Application / D. Number

11/12/2002

Application Date

38 East Side Drive, Great Diamond Lake
Project Name/Description

Sampino Santo R &

Applicant

84 Hillside Rd Ext, Woodbury, CT 06794

Applicant's Mailing Address

Consultant/Agent

Applicant Ph: (203) 269-0000 Agent Fax:

Applicant or Agent Daytime Telephone, Fax

38 - 38 East Side Dr, Portland, Maine

Address of Proposed Site

002F A003001

Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Other (specify) _____

3870 sq. Ft.

62100 sq. Ft.

Proposed Building square Feet or # of Units

Acresage of Site

Zoning

Check Review Required:

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Site Plan (major/minor) | <input type="checkbox"/> Subdivision # of lots _____ | <input type="checkbox"/> PAD Review | <input type="checkbox"/> 14-403 Streets Review |
| <input type="checkbox"/> Flood Hazard | <input type="checkbox"/> Shoreland | <input type="checkbox"/> Historic Preservation | <input type="checkbox"/> DEP Local Certification |
| <input type="checkbox"/> Zoning Conditional Use (ZBA/P) | <input type="checkbox"/> Zoning Variance | <input type="checkbox"/> Other _____ | |

Fees Paid: Site Plan \$50.00 Subdivision Engineer Review \$230.00 Date 11/15/2002

DRC Approval Status:

Approved

Denied

Approval Expiration 12/29/2003

Extension to

Attached

Condition Compliance

Jay Reynolds
signature

12/29/2003
date

Performance Guarantee

Required*

Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

- | | | | |
|---|----------------|--|-----------------|
| <input type="checkbox"/> Performance Guarantee Accepted | _____ | _____ | _____ |
| | date | amount | expiration date |
| <input type="checkbox"/> Inspection Fee Paid | _____ | _____ | |
| | date | amount | |
| <input type="checkbox"/> Building Permit Issued | _____ | | |
| | date | | |
| <input type="checkbox"/> Performance Guarantee Required | _____ | _____ | _____ |
| | date | remaining balance | signature |
| <input type="checkbox"/> Temporary Certificate of Occupancy | _____ | <input type="checkbox"/> Conditions (See Attached) | _____ |
| | date | | expiration date |
| <input type="checkbox"/> Final Inspection | _____ | _____ | |
| | date | signature | |
| <input type="checkbox"/> Certificate Of Occupancy | _____ | | |
| | date | | |
| <input type="checkbox"/> Performance Guarantee Released | _____ | _____ | |
| | date | signature | |
| <input type="checkbox"/> Defect Guarantee Submitted | _____ | _____ | _____ |
| | submitted date | amount | expiration date |
| <input type="checkbox"/> Defect Guarantee Released | _____ | _____ | |
| | date | signature | |

Handwritten note:
attached to the next page

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
ADDENDUM**

2002-0243
Application I. D. Number

Salpino Santo R &
Applicant

11/12/2002
Application Date

54 Hillside Rd Ext, Woodbury, CT 06784
Applicant's Mailing Address

36 East Side Drive, Great Diamond Isle
Project Name/Description

Consultant/Agent
Applicant Ph: (203) 294-0500 Agent Fax:
Applicant or Agent Daytime Telephone, Fax

36 - 38 East Side Dr, Portland, Maine
Address of Proposed Site
04101 A013004
Assessor's Reference: Chart-Block-Lot

Approval Conditions of DRC

- 1 ALL SITE WORK WILL CONFORM TO THE CITY OF PORTLAND SHORELAND ZONING REGULATIONS (DIVISION 28).
- 2 PRIOR TO SOIL DISTURBANCE, SILT FENCE SHALL BE INSTALLED ALONG THE 75' MEAN HIGH WATER SETBACK, IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES, MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, DESIGN STANDARDS AND GUIDELINES.
- 3 All damage to sidewalk, curb, street, or public utilities shall be repaired to City of Portland standards prior to issuance of a Certificate of Occupancy.
- 4 Two (2) City of Portland approved species and size trees must be planted on your street frontage prior to issuance of a Certificate of Occupancy.
- 5 Your new street address is now #36 EAST SIDE DRIVE, the number must be displayed on the street frontage of your house prior to issuance of a Certificate of Occupancy.
- 6 The Development Review Coordinator (874-8632) must be notified five (5) working days prior to date required for final site inspection. Please make allowances for completion of site plan requirements determined to be incomplete or defective during the inspection. This is essential as all site plan requirements must be completed and approved by the Development Review Coordinator prior to issuance of a Certificate of Occupancy. Please schedule any property closing with these requirements in mind.
- 7 As-built record information for sewer and stormwater service connections must be submitted to Public Works Engineering Section (55 Portland Street) and approved prior to issuance of a Certificate of Occupancy.
- 8 The site contractor shall establish finish grades at the foundation, bulkhead and basement windows to be in conformance with the first floor elevation (FFE) and sill elevation (SE) set by the building contractor to provide for positive drainage away from entire footprint of building.
- 9 The Development Review Coordinator reserves the right to require additional lot grading or other drainage improvements as necessary due to field conditions.



TIMBER FRAMES
by R. A. KROUSE

est. 1981

FACSIMILE

To: Jodine

From: Richard Krouse

Page 1 of 2 Fax #: 874-8716

Jodine,

Here is information on steel I beam.
If you need any more information please
call.

Thank Richard Krouse

Uniformly Loaded Floor Beam ABC 6th Ed ASD Ver. 6.04

By: User Name, Company Name on: 11-13-2002 : 3:34:32 PM

Project: Sample - Location: Great Diamond

This analysis was generated by an evaluation version of BeamCalc 5.0

Summary:

A36 W12x90 x 24.0 FT

Section Adequate By: 42.3% Controlling Factor: Moment

Dimensions:

Dead Load:	DLD=	0.10	K
Live Load:	LLD=	0.42	K - L&B
Total Load:	TLD=	0.51	K - L&B
Reactions (Each End):			
Live Load:	LL-REA=	7680	LB
Dead Load:	DL-REA=	3480	LB
Total Load:	TL-REA=	11160	LB
Beaming Length Required (Beams only, Support capacity not checked):	BLR=	1.38	K

Beam Data:

Span:	L=	24.0	FT
Unbraced Length-Top of Beam:	L _u =	24.0	FT
Live Load Deflect. Criteria:	L _v =	360	
Total Load Deflect. Criteria:	L _t =	240	

Floor Loading:

Floor Live Load-Side One:	LL1=	40.0	PLF
Floor Dead Load-Side One:	DL1=	15.0	PLF
Tributary Width-Side One:	TRW1=	7.5	FT
Floor Live Load-Side Two:	LL2=	40.0	PLF
Floor Dead Load-Side Two:	DL2=	15.0	PLF
Tributary Width-Side Two:	TRW2=	8.6	FT
Wall Load:	WALL=	0	PLF

Beam Loading:

Beam Total Live Load:	LL=	640	PLF
Beam Self Weight:	SW=	90	PLF
Beam Total Dead Load:	DL=	280	PLF
Total Maximum Load:	TL=	830	PLF

Properties for W12x90A36:

Yield Stress:	F _y =	36	KSI
Modulus of Elasticity:	E=	29000	KSI
Depth:	D=	12.16	IN
Web Thickness:	t _w =	0.37	IN
Flange Width:	b _f =	8.58	IN
Flange Thickness:	t _f =	0.54	IN
Distance to Web Toe of Fillet:	r ₁ =	1.35	IN
Moment of Inertia About X-X Axis:	I _x =	394.08	IN ⁴
Section Modulus About X-X Axis:	S _x =	64.70	IN ³
Radius of Gyration of Compression Flange + 1/3 of Web:	r _{tr} =	2.17	IN

Design Properties per AISC Steel Construction Manual:

Flange Slenderness Ratio:	b _f /t _f =	5.31	
Allowable Flange Buckling Ratio:	A _{FL} =	10.83	
Web Buckling Ratio:	W _B =	32.68	
Allowable Web Buckling Ratio:	A _{WB} =	108.87	
Controlling Unbraced Length:	L _u =	24.0	FT
Limiting Unbraced Length for F _y =36 F _y :	L ₁ =	6.53	FT
Limiting Unbraced Length for F _y =50 F _y w/ C _b :	L ₂ =	19.84	FT
Moment Gradient Bending Coefficient:	C _b =	1.0	
Allowable ϕ per ASD Eqn F1-6:	F _t =	9.08	KSI
Allowable ϕ per ASD Eqn F1-7:	F ₁₋₇ =	9.85	KSI
Allowable ϕ per ASD Eqn F1-8:	F ₁₋₈ =	17.88	KSI
Basic Limit of ASD Eqn F1-8:	C _t =	21.88	FT
Allowable Bending Stress:	F _b =	17.88	KSI
Web Height to Thickness Ratio:	h/t _w =	32.48	
Limiting Web Height to Thickness Ratio for F _y =36 F _y :	W ₁₋₁₀ =	69.33	
Allowable Shear Stress:	F _v =	14.4	KSI
Design Requirements Comparison:			
Controlling Moment:	M _u =	85380	FT-LB
Nominal Moment Strength:	M _n =	65301	FT-LB
Controlling Shear:	V _u =	11160	LB
Nominal Shear Strength:	V _n =	94948	LB
Moment of Inertia (Deflection):	I _x =	394.08	IN ⁴
	I _y =	394.08	IN ⁴

SCHEDULE A

McKinley Partners Limited Partnership - Gasto H. and Lisa C. Sampson

Lot 63, Phase II, Great Diamond Island, Portland, Maine

The following restrictive covenant shall apply to and be binding upon the within described Lot 63, and shall further be a covenant imposed by the Grantor herein upon all subsequent conveyances of single-family house lots on said plan entitled "Amended Recording Plat, Diamond Cove Phase II, Great Diamond Island, Portland, Maine, dated July 9, 1991, and recorded in the Cumberland County registry of Deeds in Plan Book 191, Pages 143 through 145, as amended by plan dated December 15, 1998, and recorded in said registry at Plan Book 198, Page 389 and 390 (the "Plan").

All residences erected on the conveyed premises shall contain at least 1,400 square feet of living area as defined in said Amended and Restricted General Declaration of Covenants and Restrictions.

The within covenant is imposed for the mutual benefit of the Grantor and the Grantee herein and shall be a continuing covenant running with the land, enforceable by either Grantor or Grantee, his successors, heirs or assigns, or by other owners of lots subject to the same covenant and located on the Plan.

RECEIVED
RECORDED REGISTRY OF DEEDS

1998 FEB -1 PM 1:33

CUMBERLAND COUNTY

John B. O'Brien

BOOK 530 PAGE 193

Further reference is made to an Assignment of Deed and Rights from Diamond Cove Associates to McKinley Partners Limited Partnership, dated December 17, 1993 and recorded in said Registry of Deeds in Book 11199, Page 247.

IN WITNESS WHEREOF, McKinley Partners Limited Partnership has caused this instrument to be executed by Jonathan T. Harris, its attorney in fact pursuant to a power of attorney recorded in the Cumberland County Registry of Deeds at Book 14424, Page 217, thereto duly authorized, this 28th day of January, 2000.

McKINLEY PARTNERS LIMITED PARTNERSHIP,
Maine Limited Partnership

Mary Jo Genta
Witness

By: *[Signature]*
Jonathan T. Harris
Its Attorney-in-fact

STATE OF MAINE
CUMBERLAND, ss.

January 28, 2000

Then personally appeared before me the above-named, Jonathan T. Harris Attorney-in-fact of McKinley Partners Limited Partnership, and acknowledged the foregoing instrument to be his free act and deed in his said capacity and the free act and deed of said McKinley Partners Limited Partnership.

Before me,

Mary Jo Genta
Notary Public
Print name: MARY JO A. JOHNSTON
Notary Public, Maine
My Commission Expires September 29, 2004

SEAL

BK15303PG192

Also hereby conveying with Quitclaim Covenants to the within grantees, all of the Grantor's right, title and interest in and to the adjacent intertidal zone, defined as that area lying between the tidelines of the above-described premises extended seaward to the mean low water mark; said intertidal area being subject, however, to the use Restrictions appearing in Article 4 and 5 of the Declaration, and to the rights of the United States of America, and the public generally in and to that portion of the premises lying below the mean high water mark of Diamond Cove, Casco Bay and/or the Atlantic Ocean.

Reference is made to the rights of the public to view and study the batteries and standing military facilities on Great Diamond Island, including those on the conveyed premises, as described in section 7.10 of the Declaration.

Reference is also made to section 4.28 of the Declaration. The premises are conveyed subject to certain restrictions related to the batteries located on the premises, as set forth in a certain Memorandum of Agreement by and between the Advisory Council on Historic Preservation, the United States Environmental Protection Agency and the Maine State Historic Preservation Officer dated May 23, 1989, a copy of which is on file with the Grantor and with the Diamond Cove Homeowners Association. Without limiting the generality of the foregoing, the premises are conveyed subject to the covenants, binding on the Grantees, their heirs and assigns, that (a) the batteries located on the premises shall not be built upon, (b) the concrete portions of said batteries shall not be demolished, and (c) any proposed structures built in front of a gun battery that rise above the level of the concrete apron on the gun battery will be subject to certain design review procedures set forth in said Memorandum of Agreement.

The above described premises are further conveyed subject to all other matters of record, including easements depicted on the Plan.

Particular reference is also made to the terms and conditions of State of Maine Department of Environmental Protection Orders dated December 10, 1986 and recorded in said Registry of Deeds in Book 7585, Page 112, dated December 9, 1987 and recorded in said Registry of Deeds in Book 8848, Page 314, dated May 10, 1989 and recorded in said Registry of Deeds in Book 8772, Page 161, dated July 5, 1989 and recorded in said Registry of Deeds in Book 8833, Page 12, re-recorded in said Registry of Deeds in Book 8902, Page 118, dated October 12, 1989 and recorded in said Registry of Deeds in Book 8964, Page 155, dated February 8, 1990 and recorded in said Registry of Deeds in Book 9109, Page 292, dated June 25, 1991 and recorded in said Registry of Deeds in Book 9641, Page 287, dated January 31, 1994 and recorded in said Registry of Deeds in Book 11280, Page 312, dated March 28, 1994 and recorded in said Registry of Deeds in Book 11385, Page 5, dated June 4, 1997, and recorded in said Registry of Deeds in Book 13131, Page 332, and dated March 26, 1999, and recorded in said Registry of Deeds in Book 14686, Page 280, and dated September 3, 1999, and recorded in said Registry of Deeds in Book 15044, Page 282.

Being a portion of the premises conveyed to McKisley Partners Limited Partnership by deed of Diamond Cove Associates dated December 17, 1993 and recorded in said Registry of Deeds in Book 11199, Page 237.

0006080

BE T5303PG191

WARRANTY DEED

McKINLEY PARTNERS LIMITED PARTNERSHIP, a Maine limited partnership with a place of business in Portland, Maine and a mailing address of Diamond Cove, Great Diamond Island, Portland, Maine 04109 (the "Grantor"), for consideration paid, grants to **SANTO R. SAMPINO** and **LISA C. SAMPINO**, who have a mailing address of 64 Hillside Road Ext., Woodbury, CT 06794 (the "Grantee") with Warranty Covenants, as joint tenants with right of survivorship, certain real estate situated on Great Diamond Island in Portland, Cumberland County, Maine, more particularly described as follows:

A certain lot or parcel of land, together with the buildings and improvements thereon, situated on Great Diamond Island in the City of Portland, County of Cumberland and State of Maine and being Lot No. 63 as shown on Sheet 3 of a plan entitled "Amended Recording Plat, Diamond Cove Phase II, Great Diamond Island, Portland, Maine, dated July 9, 1991, and recorded in the Cumberland County registry of Deeds in Plan Book 191, Pages 143 through 145, as amended by plan dated December 15, 1998 and recorded in said registry of deeds as Plan Book 198, Pages 389 and 290 (the "Plan"), to which Plan and the record thereof reference can be made for a more particular description of the within conveyed premises.

The above described premises are conveyed together with and subject to the covenants, conditions, restrictions, rights, easements, charges, liens and other matters set forth or referred to in an Amended and Restated General Declaration of Covenants and Restrictions dated December 17, 1993, and recorded in said Registry of Deeds in Book 11277, Page 322, including Exhibit A therein, as amended by First Supplement to Amended and Restated General Declaration of Covenants and Restrictions by McKinley Partners Limited Partnership, dated February 25, 1994 and recorded in said Registry of Deeds in Book 11307, Page 200, and by Amended and Restated Second Supplement to Amended and Restated General Declaration of Covenants and Restrictions, dated August 27, 1999 and recorded in the said Registry of Deeds in Book 15011, Page 87 (the "Declaration").

For additional covenants affecting the within described premises, see Schedule A attached hereto.

Also hereby conveying an easement to construct and maintain a subsurface septic disposal field located on Lot 66 as depicted on the Plan; together with an easement to install, access, maintain and repair the necessary pipes under the driveway access easements described below.

Also hereby conveying an easement for access to and utilities servicing the premises, said easement to be over and/or under the roads labeled "Driveway Access Easement For Lot 66 and 63" and "Driveway Access Easement For Lot 63," the former of which to be used in common with Lot 66, to the premises as shown on the Plan, together with the right to pass and repass on foot and with permitted vehicles and to install, access, maintain, and repair customary residential utility lines and pipes.

Min
Req on 14x10
Beam

Uniformly Loaded Floor Beam! 89 BOCA National Building Code (87 MOD) Ver. 6.04
By: rak, Krouse on: 01-07-2003 6:26:10 PM

Project: Sawpine - Location: Great Diamond Island

This analysis was generated by an evaluation version of StruCalc 5.0

Summary:

8.5 IN x 9.5 IN x 15.8 FT / Select Structural - Douglas Fir-Larch - Dry Use

Section Adequate By: 0.1% Controlling Factor: Section Modulus / Depth Required 9.6 IN

Deflections:

Dead Load: DLD= 0.22 IN
Live Load: LLD= 0.52 IN = L367
Total Load: TLD= 0.74 IN = L257

Reactions (Each End):

Live Load: LL-Rxn= 3160 LB
Dead Load: DL-Rxn= 1358 LB
Total Load: TL-Rxn= 4518 LB
Bearing Length Required (Beam only, Support capacity not checked): BL= 0.76 IN

Beam Data:

Span: L= 15.8 FT
Unbraced Length-Top of Beam: Lu= 0.0 FT
Live Load Deflect. Criteria: Lj= 380
Total Load Deflect. Criteria: Lj= 240

Floor Loading:

Floor Live Load-Side One: LL1= 40.0 PSF
Floor Dead Load-Side One: DL1= 15.0 PSF
Tributary Width-Side One: TW1= 5.0 FT
Floor Live Load-Side Two: LL2= 40.0 PSF
Floor Dead Load-Side Two: DL2= 15.0 PSF
Tributary Width-Side Two: TW2= 5.0 FT
Live Load Duration Factor: Cf= 1.00
Wall Load: WALL= 0 PLF

Beam Loading:

Beam Total Live Load: wL= 400 PLF
Beam Self Weight: BSW= 22 PLF
Beam Total Dead Load: wD= 172 PLF
Total Maximum Load: wT= 572 PLF

Properties For: Select Structural- Douglas Fir-Larch

Bending Stress: Fb= 1500 PSI
Shear Stress: Fv= 85 PSI
Modulus of Elasticity: E= 1400000 PSI
Stress Perpendicular to Grain: Fc_perp= 825 PSI

Adjusted Properties

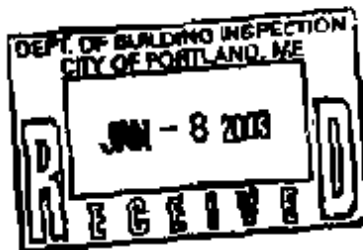
Fb' (Tension): Fb= 1500 PSI
Adjustment Factors: Cd=1.00 Cf=1.00 Chu=0.88
Fv': Fv= 85 PSI
Adjustment Factors: Cd=1.00

Design Requirements:

Controlling Moment: M= 17847 FT-LB
7.9 ft from left support
Critical moment created by combining all dead and live loads.
Controlling Shear: V= 4518 LB
At support
Critical shear created by combining all dead and live loads.

Comparisons With Required Sections:

Section Modulus (Moment): Sreq= 142.78 IN³
S= 142.80 IN³
Area (Shear): Areq= 76.73 IN²
A= 80.25 IN²
Moment of Inertia (Deflection): Ireq= 655.50 IN⁴
I= 878.78 IN⁴



2-710 - 14" x 10" Beam

Uniformly Loaded Floor Beam [99 BOCA National Building Code (97 NDS)] Ver. 5.04
By: rtk, Krauss on: 01-07-2003 : 5:50:53 PM

Project - Location:

This analysis was generated by an evaluation version of StruCalc 6.0

Summary:

7.0 IN x 10.0 IN x 15.8 FT / #1 - Douglas Fir-Larch (North) - Dry Use

Section Adequate By: 38.7% Controlling Factor: Section Modulus / Depth Required 5.49 IN

Deflections:

Dead Load:	DLD=	0.14	IN
Live Load:	LLD=	0.30	IN = L431
Total Load:	TLD=	0.44	IN = L432

Reactions (Each End):

Live Load:	LL-Rsp=	1580	LB
Dead Load:	DL-Rsp=	727	LB
Total Load:	TL-Rsp=	2307	LB
Bearing Length Required (Beam only, Support capacity not checked):	BL=	0.53	IN

Beam Data:

Span:	L=	16.8	FT
Unbraced Length-Top of Beam:	Lu=	0.0	FT
Live Load Deflect. Criteria:	L	1	
Total Load Deflect. Criteria:	L	240	

Floor Loading:

Floor Live Load-Side One:	LL1=	40.0	PSF
Floor Dead Load-Side One:	DL1=	15.0	PSF
Tributary Width-Side One:	TW1=	5.0	FT
Floor Live Load-Side Two:	LL2=	40.0	PSF
Floor Dead Load-Side Two:	DL2=	15.0	PSF
Tributary Width-Side Two:	TW2=	0.0	FT
Live Load Duration Factor:	Cd=	1.00	
Wall Load:	WALL=	0	PLF

Beam Loading:

Beam Total Live Load:	wL=	230	PLF
Beam Self Weight:	BSW=	17	PLF
Beam Total Dead Load:	wD=	82	PLF
Total Maximum Load:	wT=	252	PLF

Properties For: #1- Douglas Fir-Larch (North)

Bending Stress:	Fb=	1300	PSI
Shear Stress:	Fv=	85	PSI
Modulus of Elasticity:	E=	1800000	PSI
Stress Perpendicular to Grain:	Fe_perp=	825	PSI

Adjusted Properties

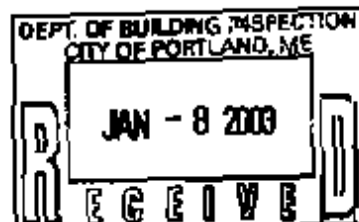
Fb' (Tension):	Fb'=	1300	PSI
Fv':	Fv'=	85	PSI
Adjustment Factors: Cd=1.00 Cf=1.00			

Design Requirements:

Controlling Moment:	M=	9112	FT-LB
7.9 ft from left support			
Critical moment created by combining all dead and live loads.			
Controlling Shear:	V=	2307	LB
At support			
Critical shear created by combining all dead and live loads.			

Comparisons With Required Sections:

Section Modulus (Moment):	Sreq=	84.11	IN3
	S=	118.87	IN3
Area (Shear):	Areq=	40.71	IN2
	A=	70.00	IN2
Moment of Inertia (Deflection):	Ireq=	323.88	IN4
	I=	583.33	IN4



lists

Uniformly Loaded Floor Beam (99 BOCA National Building Code (97 NDS) | Ver: 5.04
By: rsk , Krowse on: 01-07-2003 : 5:39:57 PM

Project: Sampino - Location: ODI

This analysis was generated by an evaluation version of StruCalc 3.0

Summary:

6.0 IN x 10.0 IN x 14.4 FT / #2 - Eastern White Pine - Dry Use

Section Adequate By 17.3% Controlling Factor: Section Modulus / Depth Required 0.23 In

Deflections:

Dead Load: DLD= 0.12 IN
Live Load: LLD= 0.22 IN = L/73
Total Load: TLD= 0.34 IN = L/510

Reactions (Each End):

Live Load: LL-ROOF= 748 LB
Dead Load: DL-ROOF= 368 LB
Total Load: TL-ROOF= 1135 LB
Bearing Length Required (Beam only, Support capacity not checked):
BL= 0.64 IN

Beam Data:

Span: L= 14.4 FT
Unbraced Length-Top of Beam: LUF= 0.0 FT
Live Load Deflect. Criteria: L/300
Total Load Deflect. Criteria: L/240

Floor Loading:

Floor Live Load-Side One: LL1= 40.0 PSF
Floor Dead Load-Side One: DL1= 15.0 PSF
Tributary Width-Side One: TW1= 1.3 FT
Floor Live Load-Side Two: LL2= 40.0 PSF
Floor Dead Load-Side Two: DL2= 15.0 PSF
Tributary Width-Side Two: TW2= 1.3 FT
Live Load Duration Factor: Cd= 1.00
Wall Load: WALL= 0 PLF

Beam Loading:

Beam Total Live Load: wL= 104 PLF
Beam Self Weight: BSW= 15 PLF
Beam Total Dead Load: wD= 54 PLF
Total Maximum Load: wT= 158 PLF

Properties For: #2 - Eastern White Pine

Bending Stress: Fb= 575 PSI
Shear Stress: Fvs= 65 PSI
Modulus of Elasticity: E= 900000 PSI
Stress Perpendicular to Grain: Fc_perp= 350 PSI

Adjusted Properties

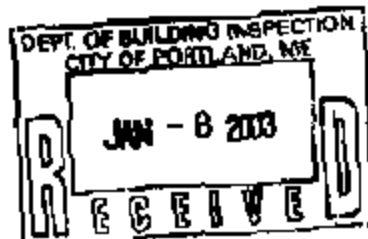
Fb' (Tension): Fb'= 575 PSI
Adjustment Factors: Cd=1.00 Cf=1.00
Fv': Fv'= 65 PSI
Adjustment Factors: Cd=1.00

Design Requirements:

Controlling Moment: M= 4088 FT-LB
7.2 ft from left support
Critical moment created by combining all dead and live loads.
Controlling Shear: V= 1135 LB
At support.
Critical shear created by combining all dead and live loads.

Comparison With Required Sections

Section Modulus (Moment): Sreq= 85.24 IN3
S= 100.00 IN3
Area (Shear): Areq= 28.18 IN2
A= 60.00 IN2
Moment of inertia (Deflection): Ireq= 236.23 IN4
I= 500.00 IN4



8x12 Beams

Uniformly Loaded Floor Beams [99 BOCA National Building Code (97 NDS)] Ver. 5.04
 By rsk , Krause on: 01 07-2003 : 5:40:48 PM

Project - Location:

This analysis was generated by an evaluation version of StruCalc 6.0

Summary:

9.0 IN x 12.0 IN x 8.4 FT / #2 - Eastern White Pine - Dry Use

Section Adequacy By: 15.3% Controlling Factor: Area / Depth Required 10.89 IN

Deflections:

Dead Load:	DLD#	0.03	IN
Live Load:	LLD#	0.07	IN = L/1536
Total Load:	TLD#	0.09	IN = L/1088

Reactions (Each End):

Live Load:	LL-Rxn#	2554	LB
Dead Load:	DL-Rxn#	1058	LB
Total Load:	TL-Rxn#	3609	LB
Bearing Length Required (Beam only, Support capacity not checked):	BL#	1.29	IN

Beam Data:

Span:	L#	8.4	FT
Unbraced Length-Top of Beam:	L _u #	0.0	FT
Live Load Deflect. Criteria:	C _L	1	
Total Load Deflect. Criteria:	C _T	240	

Floor Loadings:

Floor Live Load-Side One:	LL1#	40.0	PSF
Floor Dead Load-Side One:	DL1#	16.0	PSF
Tributary Width-Side One:	TW1#	8.0	FT
Floor Live Load-Side Two:	LL2#	40.0	PSF
Floor Dead Load Side Two:	DL2#	16.0	PSF
Tributary Width-Side Two:	TW2#	7.2	FT
Live Load Duration Factor:	C _d #	1.00	
Wall Load:	WALL#	0	PLF

Beam Loadings:

Beam Total Live Load:	wL#	608	PLF
Beam Self Weight:	BSW#	23	PLF
Beam Total Dead Load:	wD#	251	PLF
Total Maximum Load:	wT#	859	PLF

Properties For: #2- Eastern White Pine

Bending Stress:	F _b #	576	PSI
Shear Stress:	F _v #	85	PSI
Modulus of Elasticity:	E#	800000	PSI
Stress Perpendicular to Grain:	F _{c_perp} #	350	PSI

Adjusted Properties

F _b (Tension):	F _b '#	575	PSI
Adjustment Factors: C _d =1.00 C _f =1.00			
F _v :	F _v '#	85	PSI
Adjustment Factors: C _d =1.00			

Design Requirements:

Controlling Moment:	M#	7879	FT-LB
4.2 ft from left support			
Critical moment created by combining all dead and live loads.			
Controlling Shear:	V#	3609	LB
At support.			
Critical shear created by combining all dead and live loads.			

Comparisons With Required Sections:

Section Modulus (Moment):	S _{reqd}	168.18	IN ³
	S _r	182.00	IN ³
Area (Shear):	A _{reqd}	83.29	IN ²
	A _r	98.00	IN ²
Moment of Inertia (Deflection):	I _{reqd}	254.82	IN ⁴
	I _r	1152.00	IN ⁴



LOT 58
183,300 SF

40.60' UTILITY
EASEMENT

LOT 61
117,314 SF

LOT 83
80,828 SF

LOT 86
136,083 SF

DRIVEWAY ACCESS
EASEMENT FOR LOT 86
AND LOT 83

DRIVEWAY ACCESS
EASEMENT FOR LOT 83

OCEAN

ATLANTIC

